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PATENT
Case SU-77/5

02-24-02
JW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JONATHAN N. HOWARTH ET AL. }

APPLN. NO.: 10/028,631 }

FILED: DECEMBER 21, 2001 }

MICROBIOLOGICAL CONTROL IN
ANIMAL PROCESSING }

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Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed herewith for consideration by the Examiner is an Information Disclosure Form PTO-1449 (modified) together with a copy of each document listed thereon.

Respectfully Submitted,

John F. Sieberth
Reg. No. 17,704
Associate Attorney of Record

Telephone: (225) 291-4600
Facsimile: (225) 291-4606

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited on the date shown below with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D. C. 20231.

February 6, 2002
Date

Deborah A. Brouillette

FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT
(Use several sheets if necessary)
(Page 1 of 3)

FEB 15 2002

ATTY. DOCKET NO.: SU-7245

SERIAL NO.: 10/028,631

APPLICANT: JONATHAN N. HOWARTH ET AL.

FILING DATE: DECEMBER 21, 2001

GROUP:

REFERENCE DESIGNATION

U. S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|-----------------|---|---|---|---|---|---|-------|-----------------|-------|----------|-------------------------------|
| | AB | 4 | 6 | 5 | 9 | 3 | 5 | 9 | 4/87 | Lorenz et al. | 71 | 67 | |
| | AC | 4 | 6 | 8 | 1 | 9 | 4 | 8 | 7/87 | Worley | 548 | 319 | |
| | AD | 4 | 7 | 6 | 7 | 5 | 4 | 2 | 8/88 | Worley | 210 | 755 | |
| | AE | 4 | 8 | 2 | 2 | 5 | 1 | 2 | 4/89 | Auchincloss | 252 | 106 | |
| | AF | 5 | 0 | 5 | 7 | 6 | 1 | 2 | 10/91 | Worley et al. | 548 | 301 | |
| | AG | 5 | 2 | 0 | 8 | 0 | 5 | 7 | 5/93 | Greenley et al. | 426 | 332 | |
| | AH | 5 | 2 | 8 | 6 | 4 | 7 | 9 | 2/94 | Garlich et al. | 424 | 54 | |
| | AI | 5 | 3 | 2 | 0 | 8 | 2 | 9 | 6/94 | Garlich et al. | 424 | 54 | |
| | AJ | 5 | 4 | 0 | 7 | 5 | 9 | 8 | 4/95 | Olson et al. | 252 | 186.35 | |
| | AK | 5 | 4 | 9 | 0 | 9 | 8 | 3 | 2/96 | Worley et al. | 424 | 405 | |
| | AL | 5 | 5 | 6 | 5 | 1 | 0 | 9 | 10/96 | Sweeny | 210 | 755 | |
| | AM | 5 | 6 | 0 | 3 | 9 | 4 | 1 | 2/97 | Farina et al. | 424 | 405 | |
| | AN | 5 | 6 | 2 | 2 | 7 | 0 | 8 | 4/97 | Richter et al. | 424 | 405 | |
| | AO | 5 | 6 | 7 | 0 | 6 | 4 | 6 | 9/97 | Worley et al. | 548 | 301.1 | |
| | AP | 5 | 8 | 0 | 8 | 0 | 8 | 9 | 9/98 | Worley et al. | 548 | 318.5 | |
| | AQ | 5 | 8 | 3 | 0 | 5 | 1 | 1 | 11/98 | Mullerat et al. | 424 | 661 | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO | |
|--|----|-----------------|---|---|---|---|---|---|-------|----------------|-------|----------|-----------------------|--|
| | AR | 0 | 1 | 7 | 7 | 6 | 4 | 5 | 4/86 | EPO | | | | |
| | AS | 0 | 5 | 5 | 0 | 1 | 3 | 7 | 7/93 | EPO | | | | |
| | AT | 0 | 5 | 8 | 4 | 9 | 5 | 5 | 3/94 | EPO | | | | |
| | AU | 1 | 6 | 0 | 0 | 2 | 8 | 9 | 10/81 | United Kingdom | | | | |
| | AV | 2 | 2 | 6 | 7 | 4 | 8 | 7 | 12/93 | United Kingdom | | | | |

OTHER ENCLOSED DOCUMENTS

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|--|----|--|--|
| | AW | | |
| | AX | | |
| | AY | | |

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U. S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|-----------------|---|---|---|---|---|---|-------|-------------------|-------|----------|-------------------------------|
| | BB | 5 | 8 | 8 | 9 | 1 | 3 | 0 | 3/99 | Worley et al. | 526 | 261 | |
| | BC | 5 | 9 | 0 | 2 | 8 | 1 | 8 | 5/99 | Worley et al. | 514 | 376 | |
| | BD | 5 | 9 | 7 | 2 | 8 | 6 | 4 | 10/99 | Counts | 510 | 192 | |
| | BE | 6 | 0 | 0 | 4 | 5 | 8 | 7 | 12/99 | Mullerat et al. | 424 | 661 | |
| | BF | 6 | 0 | 0 | 7 | 7 | 3 | 5 | 12/99 | Creed | 252 | 186.25 | |
| | BG | 6 | 0 | 6 | 8 | 8 | 6 | 1 | 5/00 | Moore, Jr. et al. | 424 | 703 | |
| | BH | 6 | 0 | 8 | 3 | 5 | 0 | 0 | 7/00 | Wooley et al. | 424 | 93.48 | |
| | BI | 6 | 0 | 9 | 9 | 8 | 5 | 5 | 8/00 | Mullerat et al. | 424 | 442 | |

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|--|----|-----------------|---|---|---|---|---|---|-------|---------|-------|----------|-----------------------|--|
| | BJ | 8 | 9 | 1 | 0 | 6 | 9 | 6 | 11/89 | WIPO | | | | |
| | BK | 9 | 7 | 2 | 0 | 5 | 4 | 6 | 6/97 | WIPO | | | | |
| | BL | 9 | 7 | 2 | 0 | 9 | 0 | 9 | 6/97 | WIPO | | | | |
| | BM | 9 | 7 | 4 | 3 | 3 | 9 | 2 | 11/97 | WIPO | | | | |
| | BN | 9 | 8 | 0 | 4 | 1 | 4 | 3 | 2/98 | WIPO | | | | |

OTHER ENCLOSED DOCUMENTS

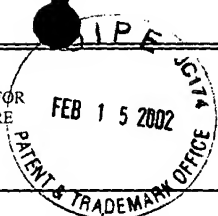
| | | |
|--|----|--|
| | BO | Frosti Abstract of Bocharov D.A., "Disinfection of Poultry Processing Plant Objects", Proceedings of the 22 nd European meeting of Meat Research Workers, Malmo, August-September, 1 (C6), 4 pp., 1976. Accession No. 78674 Frosti |
| | BP | CAPLUS Abstract of Heir, et al., "The Staphylococcus qacH gene product: a new member of the SMR family encoding multidrug resistance", FEMS Microbiol. Lett. (1998), 163(1), ppg 49-56. Accession No. 1998:343309 CAPLUS |
| | BQ | Frosti Abstract of Lemaitre et al., "Plasmid-mediated resistance to antimicrobial agents among listeriae", Journal of Food Protection, 1998, November, 61 (11), ppg 1459-1464. Accession No. 483547 Frosti |
| | BR | Frosti Abstract of Marriot, N.G., "Meat and poultry sanitation", Essentials of Food Sanitation, published by Chapman & Hall, London, 1997, 188-210. Accession No. 441637 Frosti |
| | BS | Frosti Abstract of Mullerat et al., "Efficacy of Salmide, a sodium chlorite-based oxy-halogen disinfectant, to inactivate bacterial pathogens and extend shelf-life of broiler carcasses", Journal of Food Protection, 1994, 57(7), 596-603. Accession No. 353342 Frosti |
| | BT | CAPLUS Abstract of Sanderson et al., "Case Reports: epidemic eye and upper respiratory irritation in poultry processing plants", Appl. Occup. Environ. Hyg. 1995, 10(1), 43-9. Accession No. 1995:439186 CAPLUS |
| | BU | Frosti Abstract of Sheldon, B.W., "New and novel chemical and biological approaches for inhibiting pathogens and spoilage microorganisms associated with muscle food systems", Turkeys, 1996, 44(2), 9-12. Accession No. 410383 Frosti |

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|---------------------|----|-----------------|---|---|---|---|---|---|-------|-------------------|-------|----------|-------------------------------|
| | CB | 6 | 1 | 7 | 2 | 0 | 4 | 0 | 1/01 | Naidu | 514 | 6 | |
| | CC | 6 | 2 | 9 | 9 | 9 | 0 | 9 | 10/01 | Moore, Jr. et al. | 424 | 703 | |
| | CD | 6 | 3 | 0 | 6 | 4 | 4 | 1 | 10/01 | Moore, Jr. et al. | 424 | 703 | |
| | CE | 6 | 3 | 2 | 2 | 8 | 2 | 2 | 11/01 | Moore, Jr. et al. | 424 | 703 | |

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|--|----|-----------------|--|--|--|--|--|--|------|---------|-------|----------|-----------------------|
| | CF | | | | | | | | | | | | |
| | CG | | | | | | | | | | | | |
| | CH | | | | | | | | | | | | |
| | CI | | | | | | | | | | | | |

OTHER ENCLOSED DOCUMENTS

| | | |
|--|----|---|
| | CJ | Frosti Abstract of Sundheim, G., et al., "Resistance of meat associated staphylococci to a quaternary ammonium compound", Food Microbiology, 1992, 9(2), 161-7. Accession No. 291734 Frosti |
| | CK | Frosti Abstract of "Foodborne Pathogen Control", Poultry International, 1994, (July), 62, author unknown. Accession No. 359896 Frosti |
| | CL | Frosti Abstract of Smith, G., "Poultry industry looks to chlorine dioxide for pathogen control", Meat Processing, 1996, 35(10), 47. Accession No. 429057 Frosti |
| | CM | Carpentier et al., "Biofilms and their consequences, with particular reference to hygiene in the food industry", Journal of Applied Bacteriology, 1993, Vol. 75, ppg 499-511. |
| | CN | Mora et al., "Properties of a New Chloramine Disinfectant and Detoxicant", Poultry Science, 1982, vol 61, ppg 1968-1971. |
| | CO | Mantilla-Sandholm et al., "Biofilm Formation in the Industry: A Review", Food Reviews International, 8(4), 1992, ppg 573-603. |
| | CP | Smith et al., "Potential Uses of Combined Halogen Disinfectants in Poultry Processing", Poultry Science, 1990, vol. 69, ppg 1590-1594. |
| | CQ | Williams, et al., "Research Note: Combined Halogen Disinfectants in Poultry Processing", Poultry Science, 1990, vol 69, ppg 2248-2251. |
| | CR | Worley, et al., "The Stabilities of New N-halamine Water Disinfectants", Wat. Res. Vol. 21(8), ppg 983-988, 1987. |

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